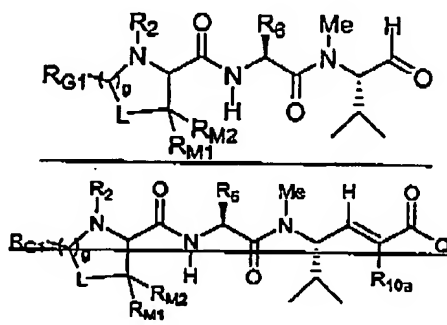


## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-55 (Canceled)

56. (Currently Amended) An intermediate ~~for the preparation of a compound~~ having the structure:



wherein ~~g is 1, 2, 3 or 4~~ g is 2;

L is  $CR_{L1}R_{L2}$ , S, O or  $NR_{L3}$ , wherein each occurrence of  $R_{L1}$ ,  $R_{L2}$  and  $R_{L3}$  is independently hydrogen or an aliphatic, alicyclic, heteroaliphatic, heteroalicyclic, aryl or heteroaryl moiety;

each occurrence of  $R_{G1}$ ,  $R_{M1}$  and  $R_{M2}$  is each independently hydrogen ~~or an aliphatic, alicyclic, heteroaliphatic, heteroalicyclic, aryl or heteroaryl~~ or an aliphatic, alicyclic or aryl moiety; and

wherein any two adjacent  $R_{L1}$ ,  $R_{L2}$ ,  $R_{L3}$ ,  $R_{G1}$ ,  $R_{M1}$  or  $R_{M2}$  groups, taken together, form a substituted or unsubstituted alicyclic or heteroalicyclic moiety containing 3-6 atoms or an aryl or heteroaryl moiety;

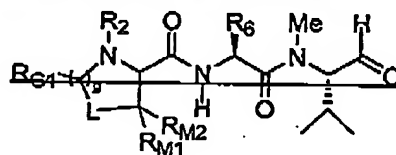
$R_2$  is hydrogen,  ~~$(C=O)R_G$  or an aliphatic, alicyclic, heteroaliphatic, heteroalicyclic, aryl or heteroaryl moiety~~, wherein each occurrence of  $R_G$  is independently hydrogen, OH,  $OR_D$ , or an aliphatic, alicyclic, heteroaliphatic, heteroalicyclic, aryl or heteroaryl moiety; wherein  $R_D$  is an aliphatic, alicyclic, heteroaliphatic, heteroalicyclic, aryl or heteroaryl moiety; hydrogen or an aliphatic, alicyclic or aryl moiety; and

$R_6$  is hydrogen,  $(C=O)R_6$  or an aliphatic, alicyclic, heteroaliphatic, heteroalicyclic, aryl or heteroaryl moiety, wherein each occurrence of  $R_6$  is independently hydrogen,  $OH$ ,  $OR_4$ , or an aliphatic, alicyclic, heteroaliphatic, heteroalicyclic, aryl or heteroaryl moiety; wherein  $R_4$  is an aliphatic, alicyclic, heteroaliphatic, heteroalicyclic, aryl or heteroaryl moiety; hydrogen or an aliphatic, alicyclic or aryl moiety.

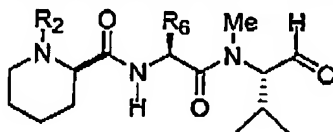
$Q$  is  $OR^{Q'}$ ,  $SR^{Q'}$ ,  $NR^{Q'}R^{Q''}$ ,  $N_2$ ,  $-N-OH$ , or an aliphatic, alicyclic, heteroaliphatic, heteroalicyclic, aryl or heteroaryl moiety; wherein  $R^{Q'}$  and  $R^{Q''}$  are each independently hydrogen, or an aliphatic, alicyclic, heteroaliphatic, heteroalicyclic, aryl or heteroaryl moiety, or  $R^{Q'}$  and  $R^{Q''}$ , taken together with the nitrogen atom to which they are attached, may form an alicyclic, heteroalicyclic, alicyclic(aryl), heteroalicyclic(aryl), alicyclic(heteroaryl) or heteroalicyclic(heteroaryl) moiety, or an aryl or heteroaryl moiety; and

$R_{10a}$  is hydrogen, or an aliphatic, alicyclic, heteroaliphatic, heteroalicyclic, aryl or heteroaryl moiety;

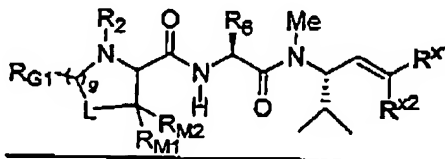
wherein said intermediate has the following structure:

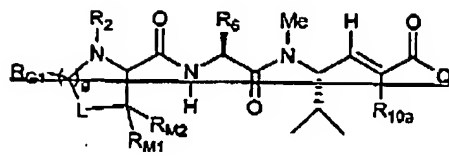


57. (Previously Presented) The intermediate of claim 56 having the structure:



58. (Currently Amended) An intermediate for the preparation of a compound having the structure:





wherein  $R^{x1}$  and  $R^{x2}$  are independently hydrogen, aliphatic, alicyclic or aryl;

wherein  $g$  is 1, 2, 3 or 4  $g$  is 2;

$L$  is  $CR_{L1}R_{L2}$ ,  $S$ ,  $O$  or  $NR_{L3}$ , wherein each occurrence of  $R_{L1}$ ,  $R_{L2}$  and  $R_{L3}$  is independently hydrogen or an aliphatic, alicyclic, heteroaliphatic, heteroalicyclic, aryl or heteroaryl moiety;

each occurrence of  $R_{G1}$ ,  $R_{M1}$  and  $R_{M2}$  is each independently hydrogen or an aliphatic, alicyclic, heteroaliphatic, heteroalicyclic, aryl or heteroaryl or an aliphatic, alicyclic or aryl moiety; and

wherein any two adjacent  $R_{L1}$ ,  $R_{L2}$ ,  $R_{L3}$ ,  $R_{G1}$ ,  $R_{M1}$  or  $R_{M2}$  groups, taken together, form a substituted or unsubstituted alicyclic or heteroalicyclic moiety containing 3-6 atoms or an aryl or heteroaryl moiety;

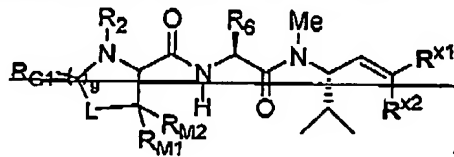
$R_2$  is hydrogen,  $(C=O)R_G$  or an aliphatic, alicyclic, heteroaliphatic, heteroalicyclic, aryl or heteroaryl moiety; wherein each occurrence of  $R_G$  is independently hydrogen,  $OH$ ,  $OR_D$ , or an aliphatic, alicyclic, heteroaliphatic, heteroalicyclic, aryl or heteroaryl moiety; wherein  $R_D$  is an aliphatic, alicyclic, heteroaliphatic, heteroalicyclic, aryl or heteroaryl moiety; hydrogen or an aliphatic, alicyclic or aryl moiety; and

$R_6$  is hydrogen,  $(C=O)R_E$  or an aliphatic, alicyclic, heteroaliphatic, heteroalicyclic, aryl or heteroaryl moiety; wherein each occurrence of  $R_E$  is independently hydrogen,  $OH$ ,  $OR_F$ , or an aliphatic, alicyclic, heteroaliphatic, heteroalicyclic, aryl or heteroaryl moiety; wherein  $R_F$  is an aliphatic, alicyclic, heteroaliphatic, heteroalicyclic, aryl or heteroaryl moiety; hydrogen or an aliphatic, alicyclic or aryl moiety.

$Q$  is  $OR^{Q+}$ ,  $SR^{Q+}$ ,  $NR^{Q+}R^{Q+}$ ,  $N_3$ ,  $=N-OH$ , or an aliphatic, alicyclic, heteroaliphatic, heteroalicyclic, aryl or heteroaryl moiety; wherein  $R^{Q+}$  and  $R^{Q+}$  are each independently hydrogen, or an aliphatic, alicyclic, heteroaliphatic, heteroalicyclic, aryl or heteroaryl moiety, or  $R^{Q+}$  and  $R^{Q+}$ , taken together with the nitrogen atom to which they are attached, may form an alicyclic, heteroalicyclic, alicyclic(aryl), heteroalicyclic(aryl), alicyclic(heteroaryl) or heteroalicyclic(heteroaryl) moiety, or an aryl or heteroaryl moiety; and

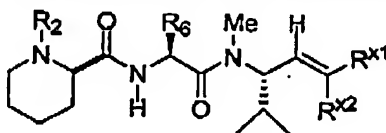
~~R<sub>10a</sub> is hydrogen, or an aliphatic, alicyclic, heteroaliphatic, heteroalicyclic, aryl or heteroaryl moiety;~~

~~wherein said intermediate has the following structure:~~



~~wherein R<sup>x1</sup> and R<sup>x2</sup> are independently hydrogen, aliphatic, heteroaliphatic, aryl or heteroaryl.~~

59. (Previously Presented) The intermediate of claim 58 having the structure:



60. (Previously Presented) The intermediate of claim 58 or 59 wherein R<sup>x1</sup> and R<sup>x2</sup> are independently hydrogen, alkyl or aryl.
61. (Previously Presented) The intermediate of claim 58 or 59 wherein R<sup>x1</sup> and R<sup>x2</sup> are each hydrogen.
62. (Canceled)
63. (Currently Amended) The intermediate of ~~claim 56, 57, 58, 59 or 62~~ any one of claims 56-59 wherein R<sub>2</sub> is hydrogen, or a substituted or unsubstituted, linear or branched, cyclic or acyclic, or saturated or unsaturated lower ~~alkyl, heteroalkyl, alkyl(aryl) or acyl~~ alkyl or -alkyl(aryl) moiety.
64. (Previously Presented) The intermediate of claim 63 wherein R<sub>2</sub> is methyl, ethyl, propyl, butyl, pentyl, *tert*-butyl, *i*-propyl, -CH(CH<sub>3</sub>)Et, -CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, -CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, -CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, -CH(CH<sub>3</sub>)CH(CH<sub>3</sub>)<sub>2</sub>, -C(CH<sub>3</sub>)<sub>2</sub>Et, -

CH(CH<sub>3</sub>)cyclobutyl, -CH(Et)<sub>2</sub>, -C(CH<sub>3</sub>)<sub>2</sub>C≡CH, cyclohexyl, cyclopentyl, cyclobutyl or cyclopropyl.

65. (Previously Presented) The intermediate of claim 63 wherein R<sub>2</sub> is methyl, ethyl, propyl or *i*-propyl.
66. (Currently Amended) The intermediate of ~~claim 56, 57, 58, 59 or 62~~ any one of claims 56-59 wherein R<sub>6</sub> is methyl, ethyl, propyl, butyl, pentyl, *tert*-butyl, *i*-propyl, -CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>, -CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, cyclohexyl, cyclopentyl, cyclobutyl or cyclopropyl; and R<sub>2</sub> is methyl, ethyl, propyl, butyl, pentyl, *tert*-butyl, *i*-propyl, -CH(CH<sub>3</sub>)Et, -CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, -CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, -CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, -CH(CH<sub>3</sub>)CH(CH<sub>3</sub>)<sub>2</sub>, -C(CH<sub>3</sub>)<sub>2</sub>Et, -CH(CH<sub>3</sub>)cyclobutyl, -CH(Et)<sub>2</sub>, -C(CH<sub>3</sub>)<sub>2</sub>C≡CH, cyclohexyl, cyclopentyl, cyclobutyl or cyclopropyl.
67. (Previously Presented) The intermediate of claim 66 wherein R<sub>6</sub> is *tert*-butyl.
68. (Currently Amended) The intermediate of ~~claim 56, 57, 58, 59 or 62~~ any one of claims 56-59 wherein R<sub>G1</sub> is hydrogen, substituted or unsubstituted, linear or branched, cyclic or acyclic, or saturated or unsaturated lower alkyl or substituted or unsubstituted phenyl.
69. (Previously Presented) The intermediate of claim 68 wherein R<sub>G1</sub> is hydrogen, methyl or phenyl.
70. (Previously Presented) The intermediate of claim 68 wherein R<sub>G1</sub> is hydrogen.
71. (Currently Amended) The intermediate of ~~claim 56, 57, 58, 59 or 62~~ any one of claims 56-59 wherein R<sub>M1</sub> and R<sub>M2</sub> are each independently hydrogen, hydroxyl, a substituted or unsubstituted, linear or branched, cyclic or acyclic, or saturated or unsaturated lower alkyl moiety; a substituted or unsubstituted phenyl moiety, or R<sub>M2</sub> is absent when R<sub>M1</sub> and the substituents on L, taken together, form a substituted or unsubstituted aryl or heteroaryl moiety.

72. (Previously Presented) The intermediate of claim 71 wherein  $R_{M1}$  and  $R_{M2}$  are each hydrogen.
73. (Canceled)
74. (Currently Amended) The intermediate of ~~claim 56, 57, 58, 59 or 62~~ any one of claims 56-59 wherein L is  $CR_{L1}R_{L2}$  wherein  $R_{L1}$  and  $R_{L2}$  are each independently hydrogen, substituted or unsubstituted, linear or branched, cyclic or acyclic, or saturated or unsaturated lower alkyl or substituted or unsubstituted phenyl.
75. (Previously Presented) The intermediate of claim 74 wherein L is  $CH_2$ .
76. (Canceled)
77. (Canceled)
78. (Canceled)
79. (Canceled)